

**DISCRETE POWER LEVEL CODING FOR INDICATING UPLINK MOBILE RECEIVE  
LEVEL IN A WIRELESS REPEATER SYSTEM**

**ABSTRACT**

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A method for managing a plurality of mobile units in a wireless cellular communication system having a plurality of repeater stations includes the step of receiving a signal on an uplink communication channel from a mobile transceiver unit at one of the repeaters. The method also measures at the repeater station a power level of the signal as received by the repeater station. The method further includes the step of transmitting a backhaul signal from the repeater station to the base transceiver station on a backhaul communication link, where the backhaul signal is transmitted at one of a plurality of discrete power levels providing an indication of the power level as measured by the repeater station.

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